

**IMPELLER WITH SWEEP BACK BLADES FOR A
TAILINGS CONVEYOR OF AN AGRICULTURAL COMBINE**

ABSTRACT OF DISCLOSURE

A rotary impeller for a tailings conveyor of an agricultural combine, for threshing tailings and propelling the tailings through a portion of the conveyor, including a mounting portion mountable to a rotatable member for rotation in a predetermined rotational direction about a rotational axis, a plurality of blades extending generally radially outwardly from the mounting portion, each of the blades including a surface facing in the rotational direction including a radially outermost threshing portion for threshing the tailings and propelling the tailings in the rotational direction through the portion of the conveyor, and a tailings deflecting portion disposed between the threshing portion and the mounting portion, the tailings deflecting portion having a convex shape for deflecting and directing tailings contacted thereby during the rotation in a radially outward direction into a rotational path of the threshing portion so as to be threshed thereby and accelerated through the conveyor.